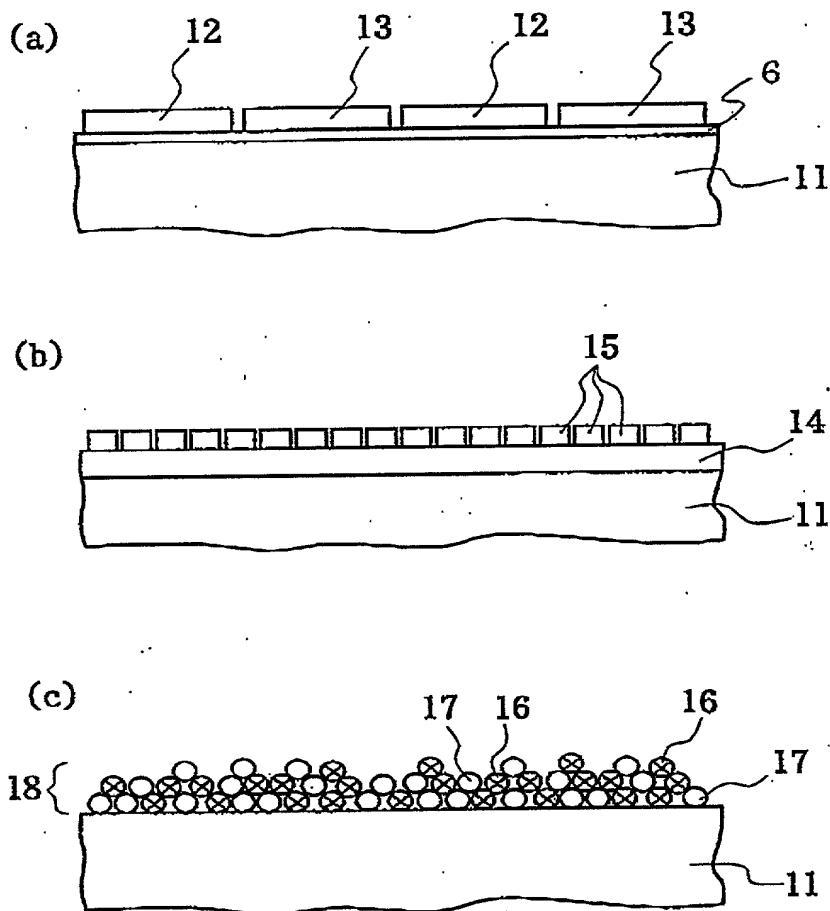


TITLE: PHOTOREACTIVE DEVICES, TRANSLUCENT MEMBERS, ORNAMENTS, ANTICORROSIVE DEVICES, DEVICES FOR REDUCING OXYGEN AND DEVICES FOR CONTROLLING GROWTH OF MICROORGANISMS

Inventor: Akira FUJISHIMA et al.

Docket No. 4468-022

[Fig.2]



FOIA b 7 - e

TITLE: PHOTOREACTIVE DEVICES, TRANSLUCENT MEMBERS, ORNAMENTS, ANTICORROSIVE DEVICES, DEVICES FOR REDUCING OXYGEN AND DEVICES FOR CONTROLLING GROWTH OF MICROORGANISMS

Inventor: Akira FUJISHIMA et al.

Docket No. 4468-022

【Fig.3】

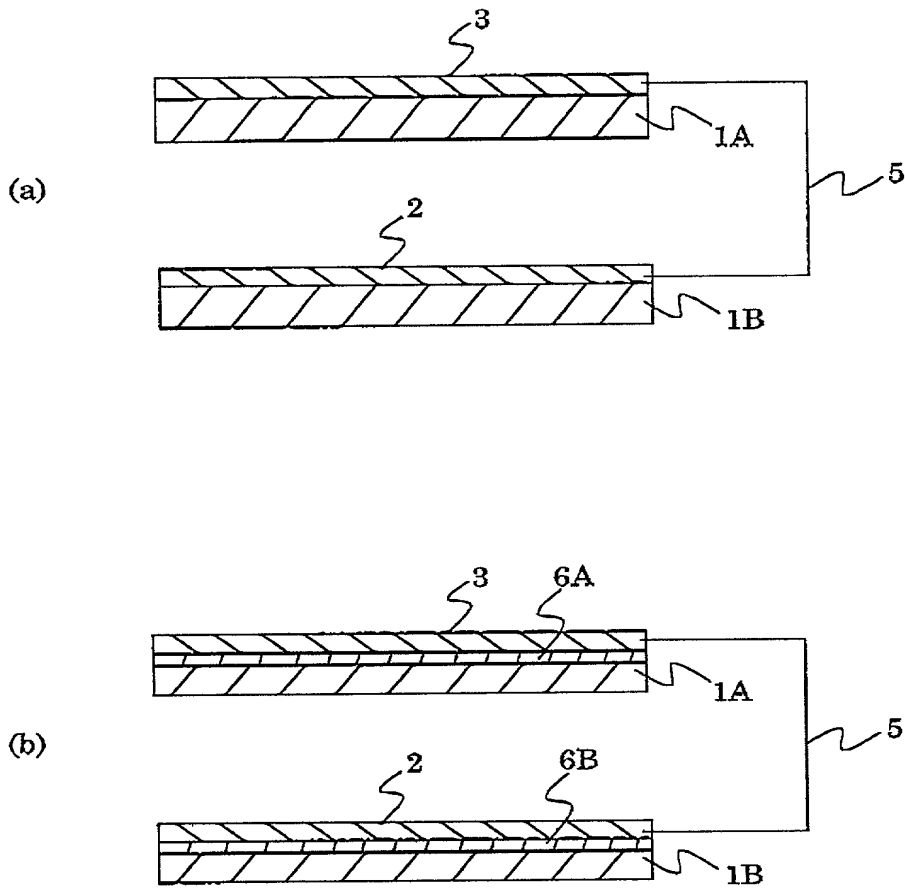
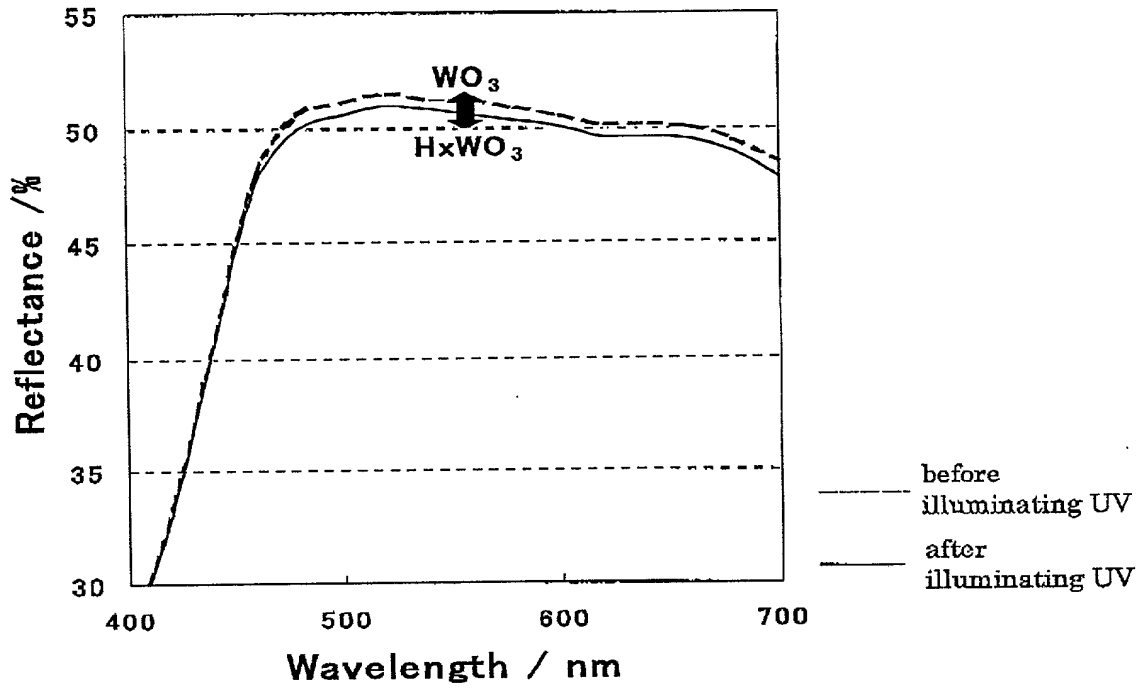


FIG. 3

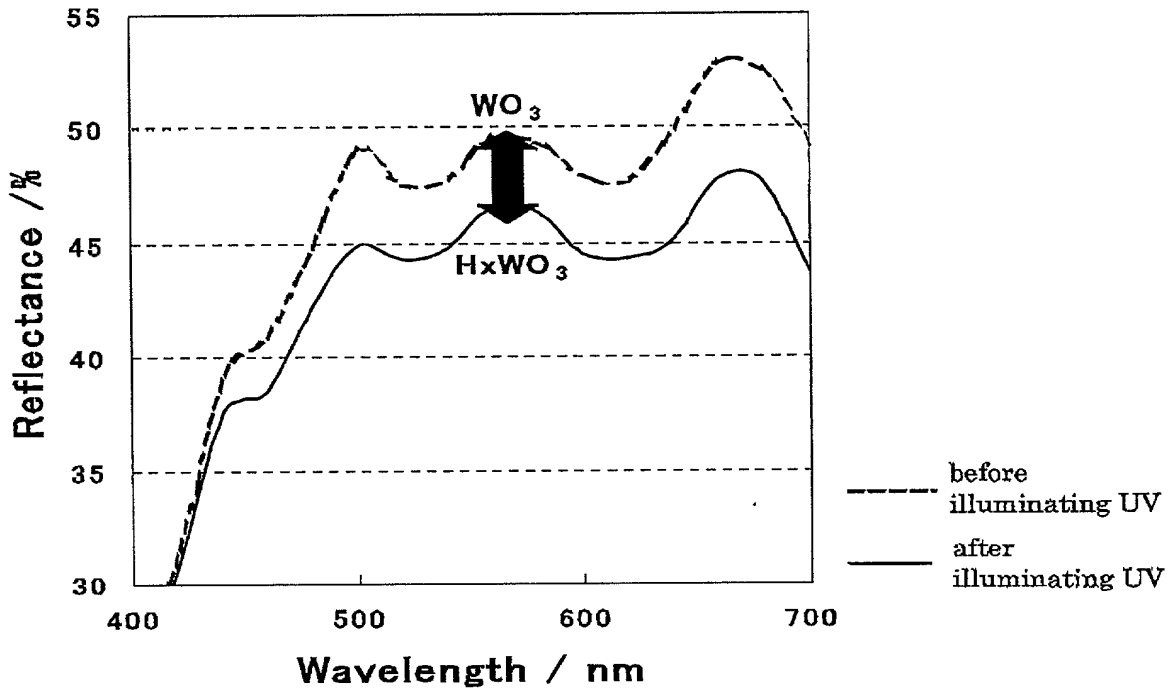
【Fig.4】



Reflectance change of WO_3 before and after illuminating ultraviolet light in distilled water

20250226000000

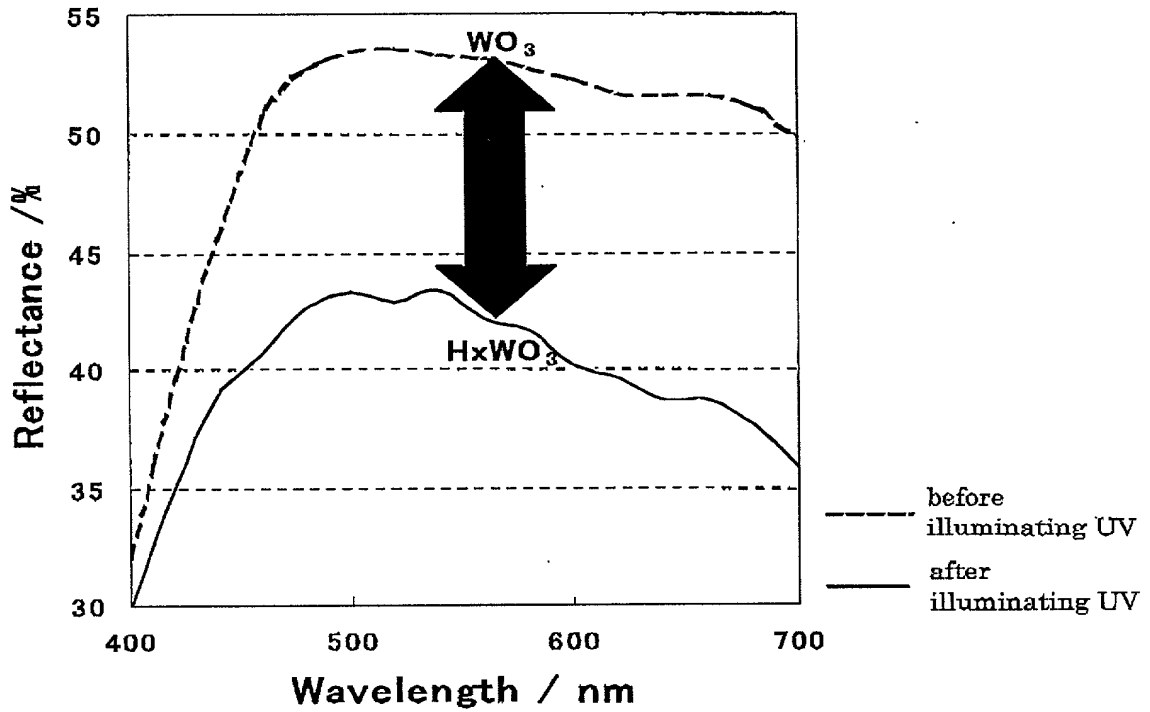
[Fig.5]



Reflectance change of TiO_2-WO_3 before and after illuminating ultraviolet light in distilled water (separate type)

FIG. 5

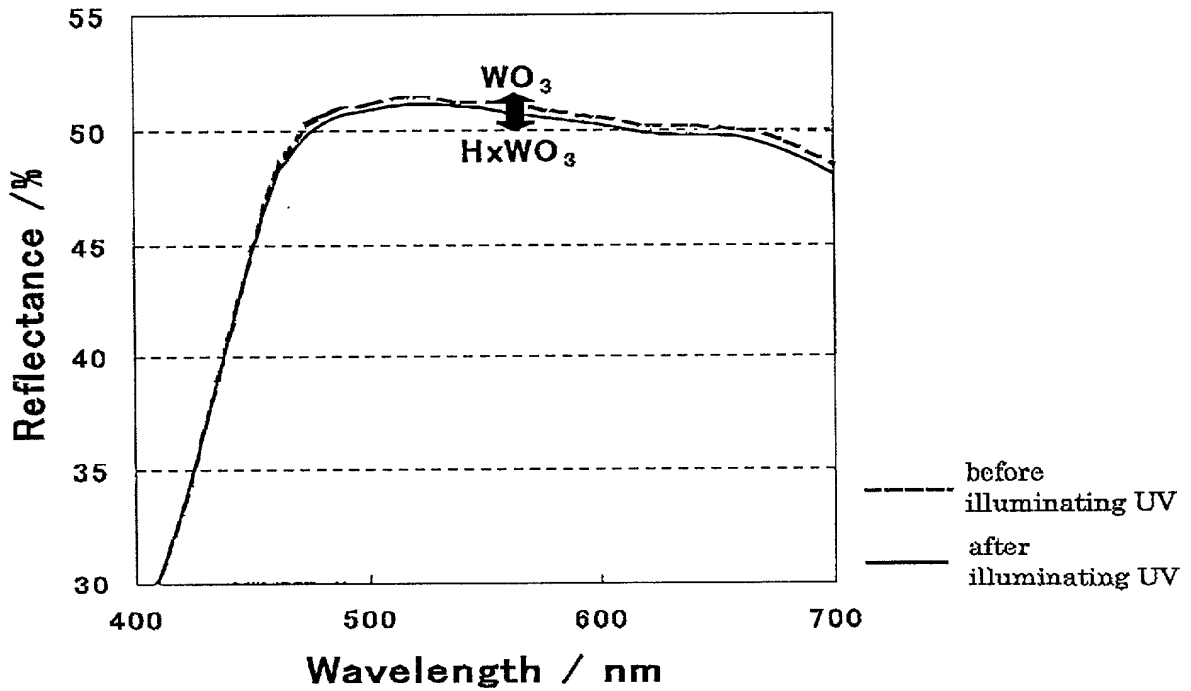
[Fig.6]



Reflectance change of TiO_2-WO_3 before and after illuminating ultraviolet light in distilled water (mix type)

2025022626660

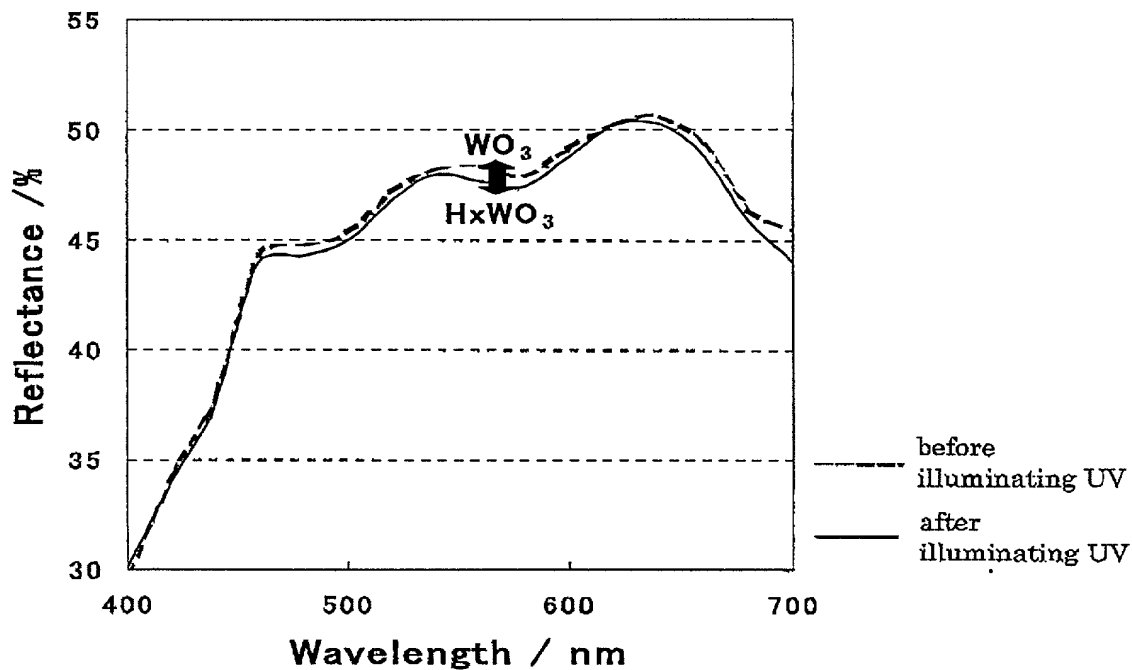
【Fig.7】



Reflectance change of WO₃ before and after illuminating ultraviolet light in gaseous phase

Pub. No. 2626660

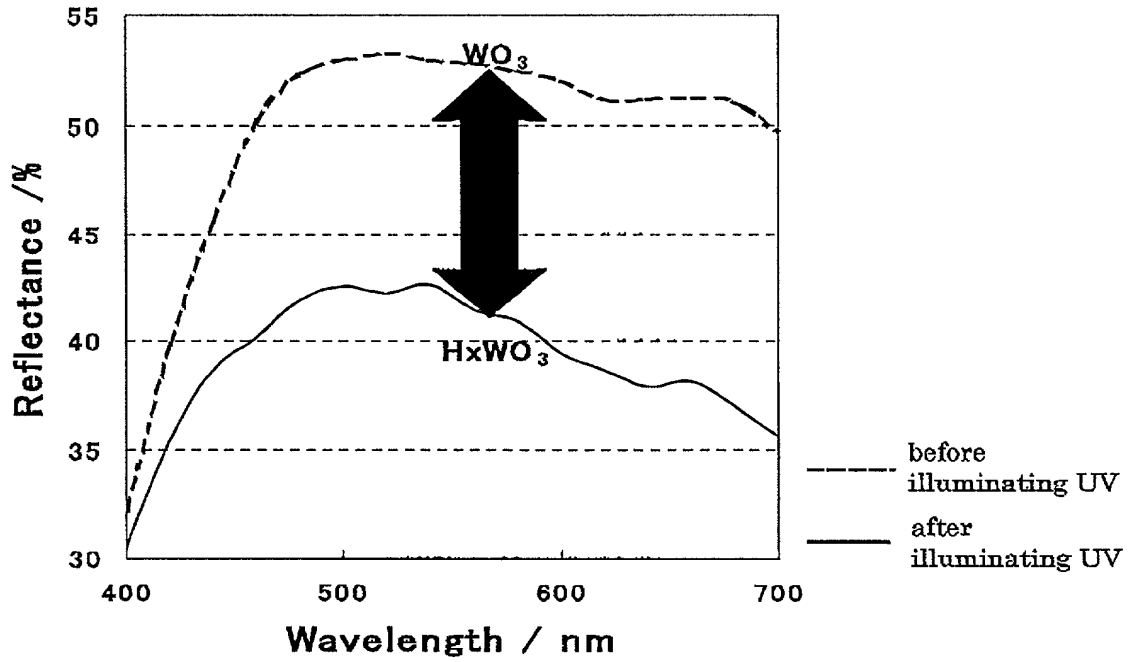
【Fig.8】



Reflectance change of TiO_2-WO_3 before and after illuminating ultraviolet light in gaseous phase (separate type)

4468-022

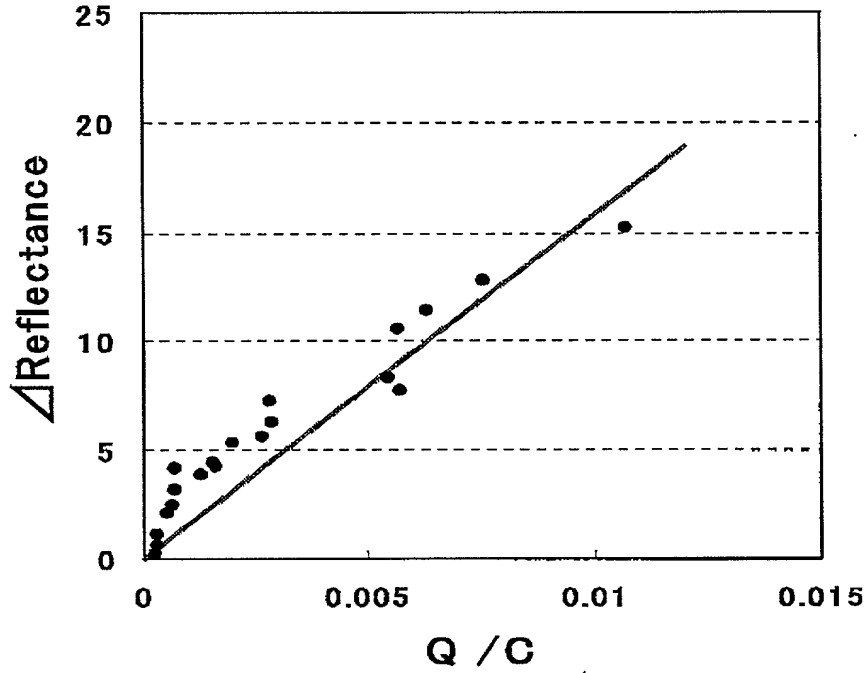
[Fig.9]



Reflectance change of TiO₂-WO₃ before and after illuminating ultraviolet light in gaseous phase (mix type)

2025022526660

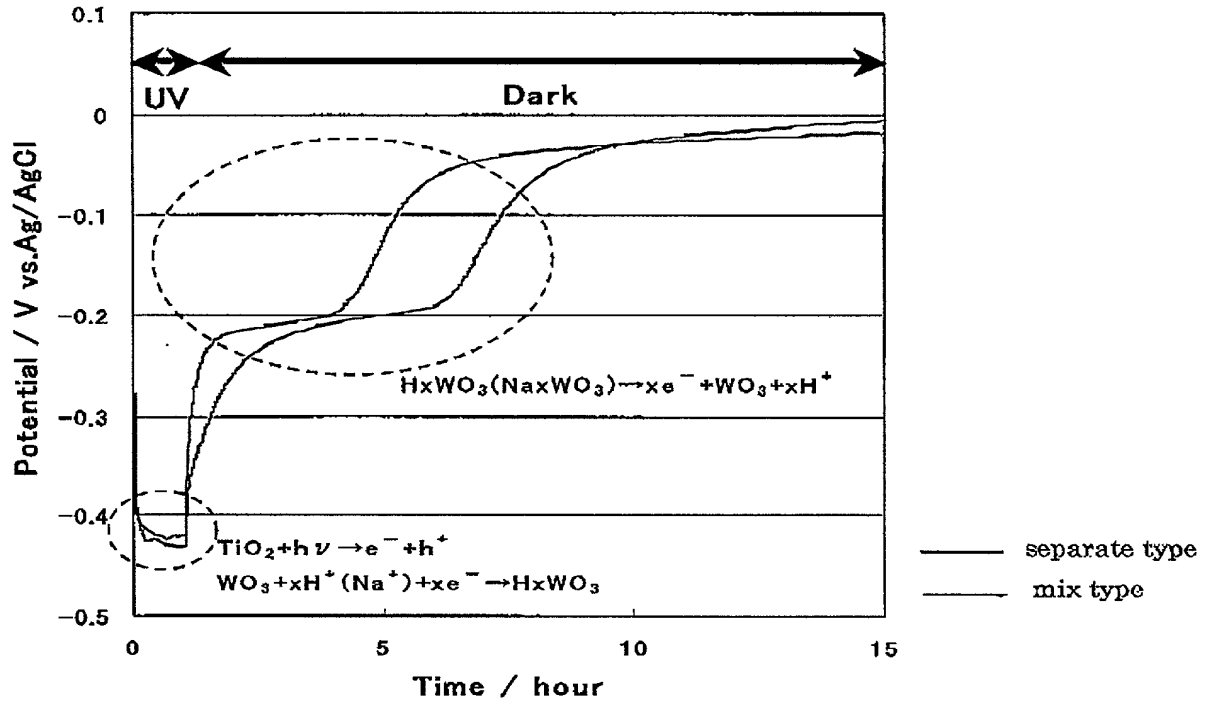
【Fig.10】



Relationship of charge and color change in WO₃

Y02220 2526660

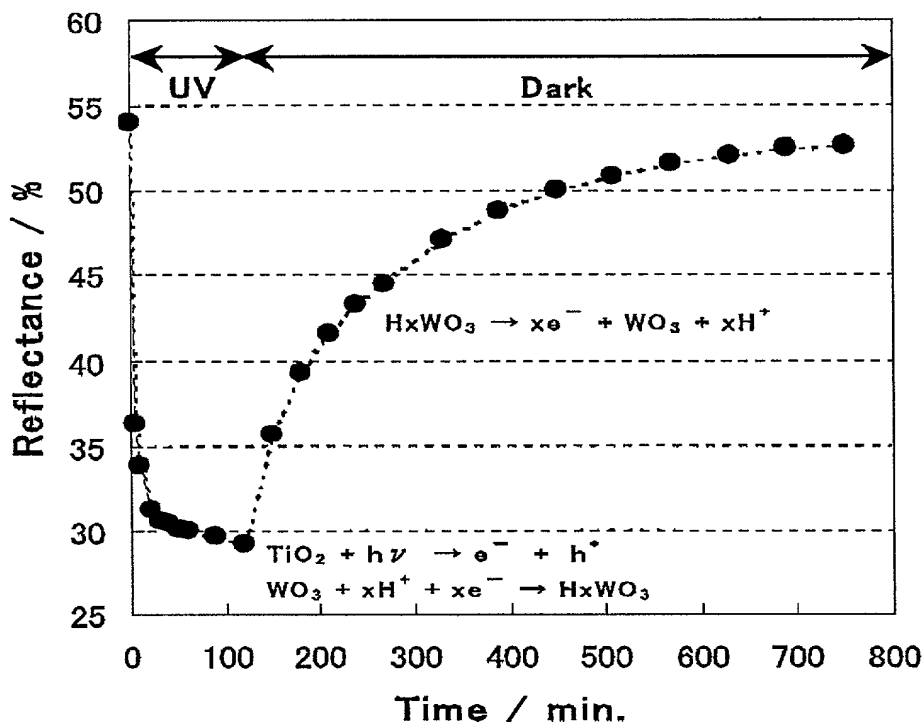
[Fig.11]



Potential change of TiO₂-WO₃ before and after illuminating ultraviolet light in NaCl aqueous solution

FOR PUBLICATION

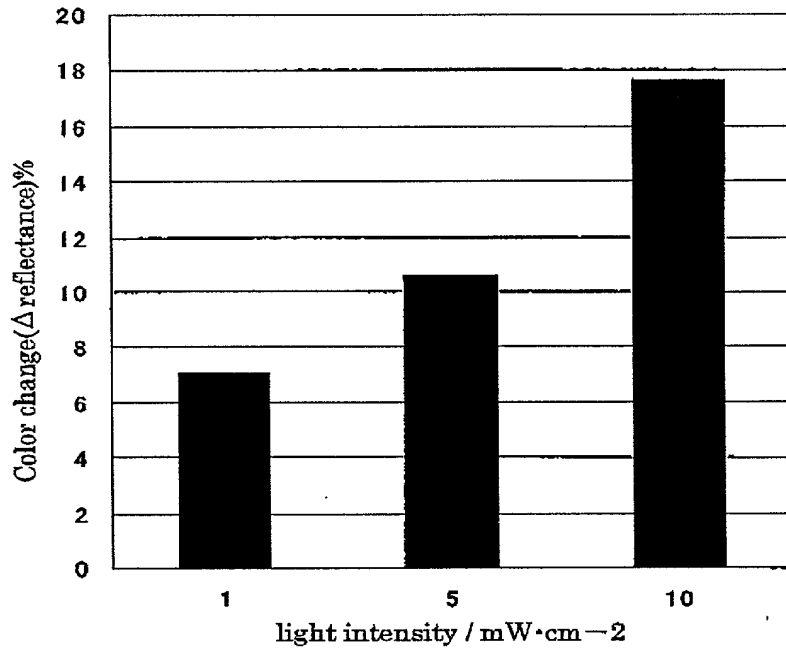
【Fig.12】



Reflectance change over time of TiO₂-WO₃ before and after illuminating ultraviolet light in gaseous phase

202502626650

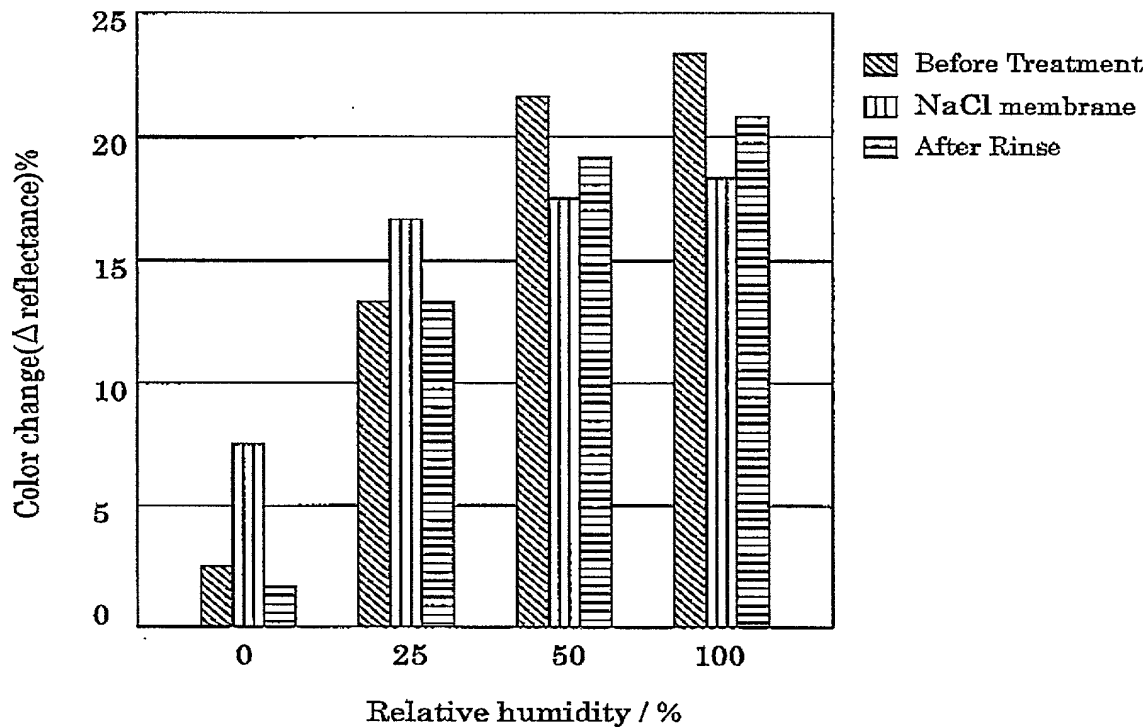
【Fig.13】



Relationship between light intensity of illuminated ultraviolet light and reflectance of TiO₂-WO₃

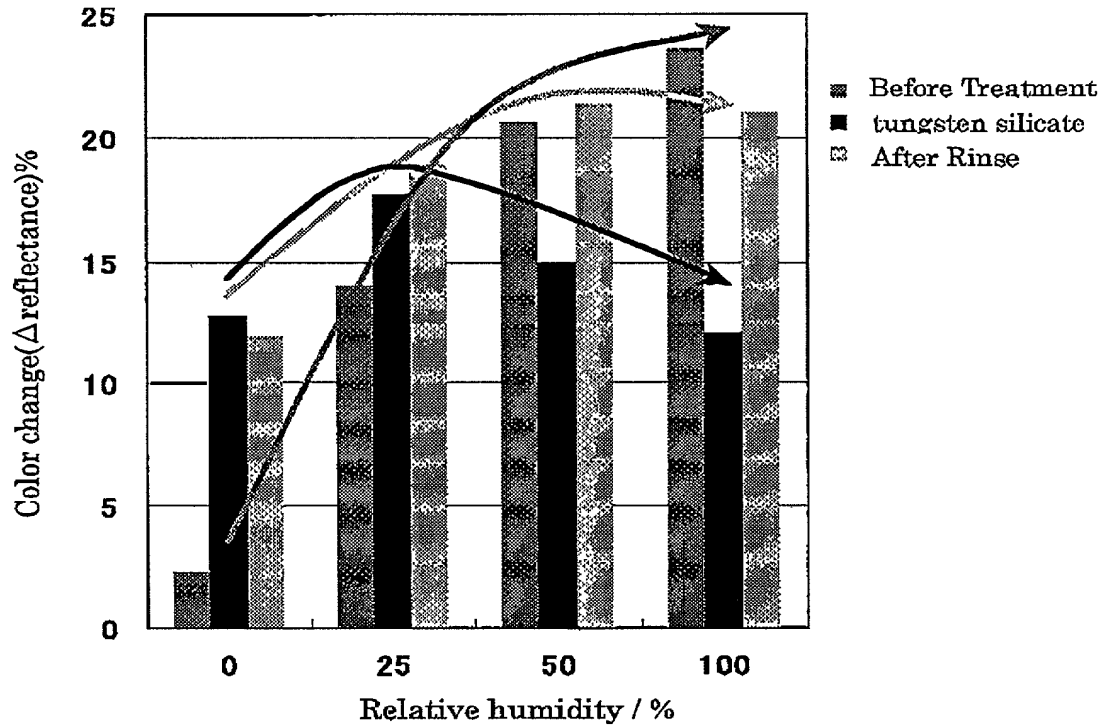
20220725266650

【Fig.15】



4468022 2626660

[Fig.16]



Color changes before treatment, after surface treatment with a heteropolyacid (tungsten silicate), and after rinse

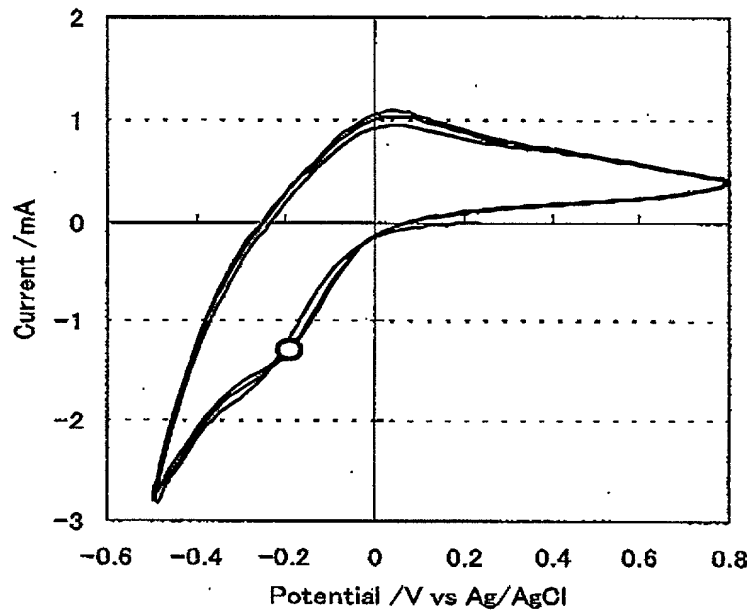
FOR 2000 2626660

TITLE: PHOTOREACTIVE DEVICES, TRANSLUCENT MEMBERS, ORNAMENTS, ANTICORROSIVE DEVICES, DEVICES FOR REDUCING OXYGEN AND DEVICES FOR CONTROLLING GROWTH OF MICROORGANISMS

Inventor: Akira FUJISHIMA et al.

Docket No. 4468-022

[Fig.17]



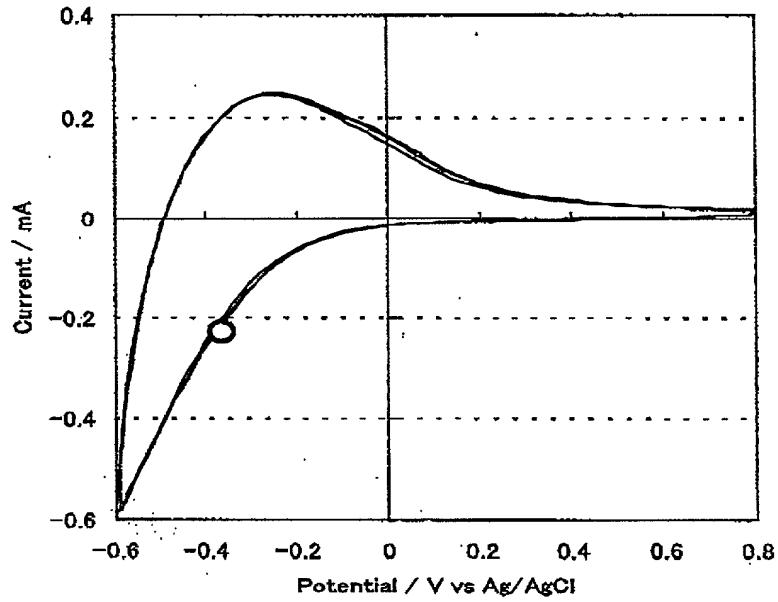
4468-022-2626660

TITLE: PHOTOREACTIVE DEVICES, TRANSLUCENT MEMBERS, ORNAMENTS, ANTICORROSIVE DEVICES, DEVICES FOR REDUCING OXYGEN AND DEVICES FOR CONTROLLING GROWTH OF MICROORGANISMS

Inventor: Akira FUJISHIMA et al.

Docket No. 4468-022

[Fig.18]



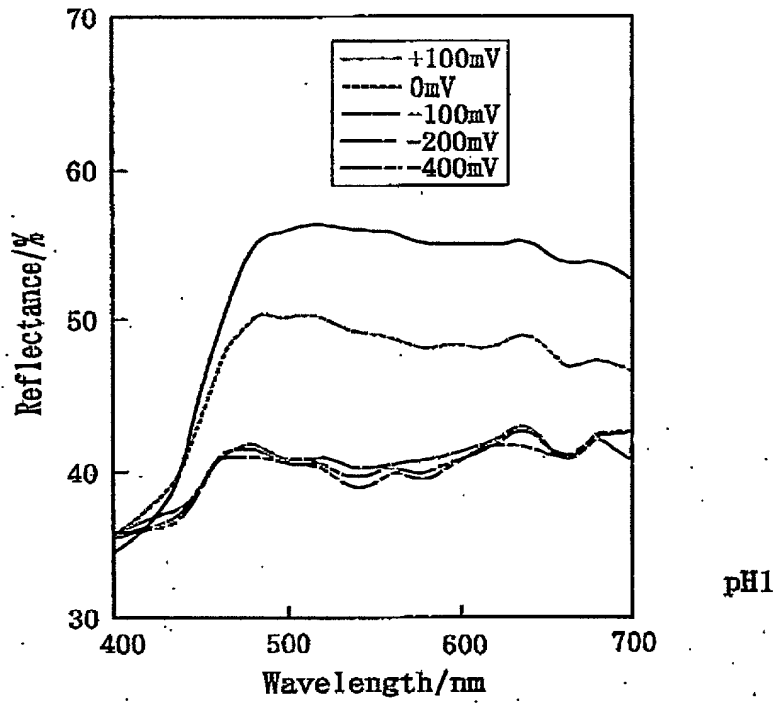
4468-022-2626660

TITLE: PHOTOREACTIVE DEVICES, TRANSLUCENT MEMBERS, ORNAMENTS, ANTICORROSIVE DEVICES, DEVICES FOR REDUCING OXYGEN AND DEVICES FOR CONTROLLING GROWTH OF MICROORGANISMS

Inventor: Akira FUJISHIMA et al.

Docket No. 4468-022

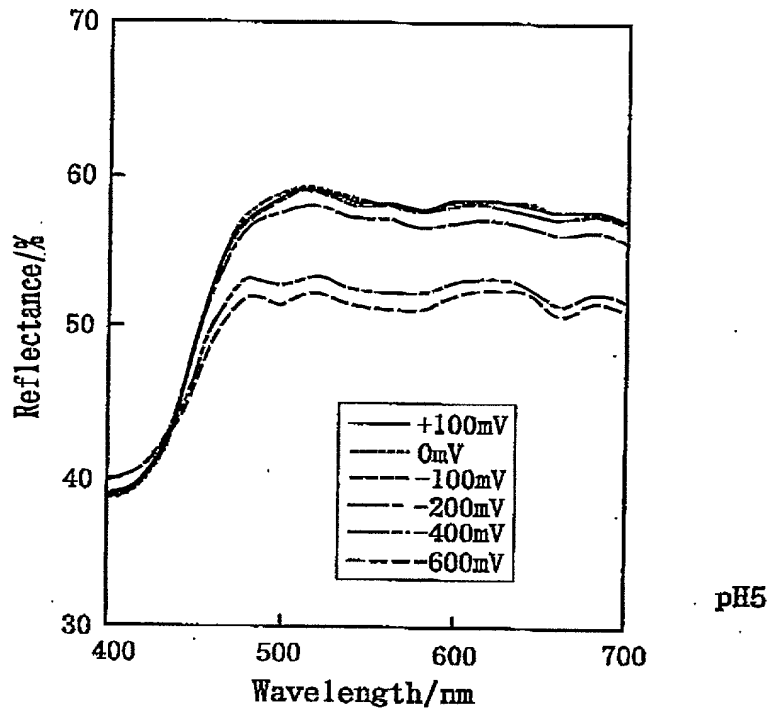
【Fig.19】



4468-022

pH1

【Fig.20】



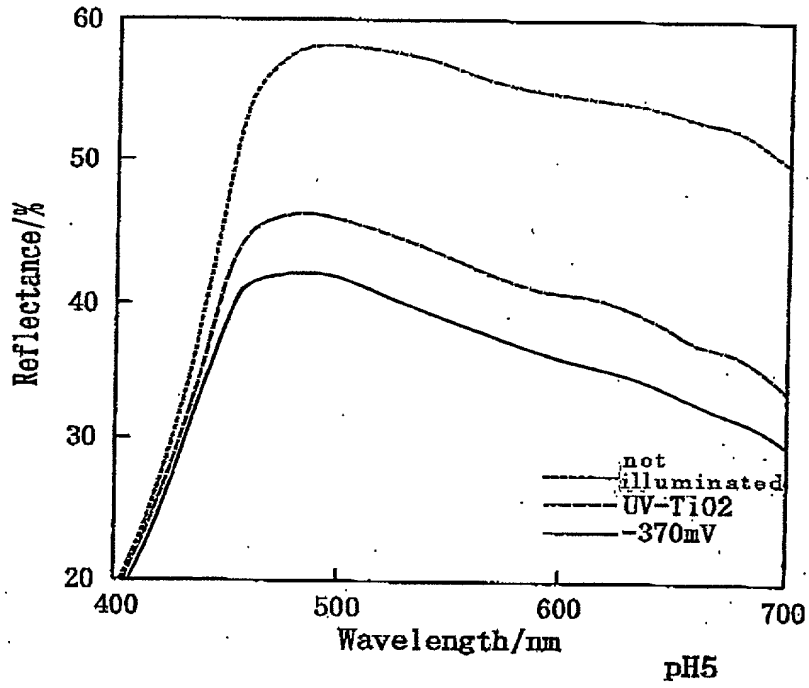
4468-022-0000

TITLE: PHOTOREACTIVE DEVICES, TRANSLUCENT MEMBERS, ORNAMENTS, ANTICORROSIVE DEVICES, DEVICES FOR REDUCING OXYGEN AND DEVICES FOR CONTROLLING GROWTH OF MICROORGANISMS

Inventor: Akira FUJISHIMA et al.

Docket No. 4468-022

【Fig.21】



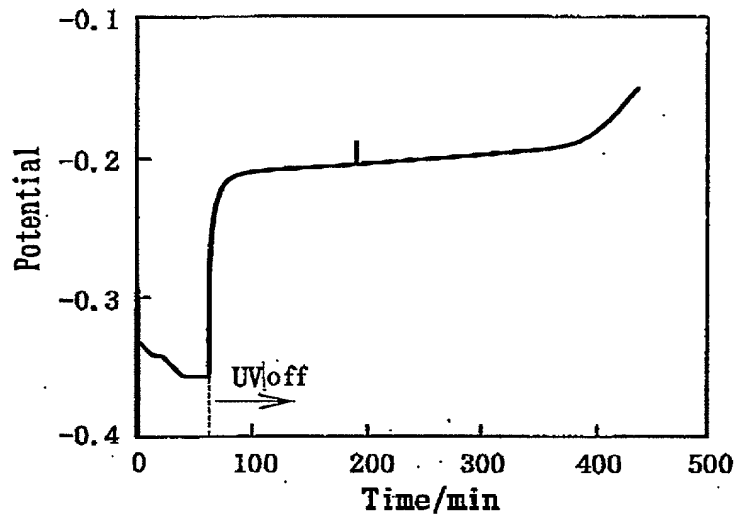
4468-022-262666

TITLE: PHOTOREACTIVE DEVICES, TRANSLUCENT MEMBERS, ORNAMENTS, ANTICORROSIVE DEVICES, DEVICES FOR REDUCING OXYGEN AND DEVICES FOR CONTROLLING GROWTH OF MICROORGANISMS

Inventor: Akira FUJISHIMA et al.

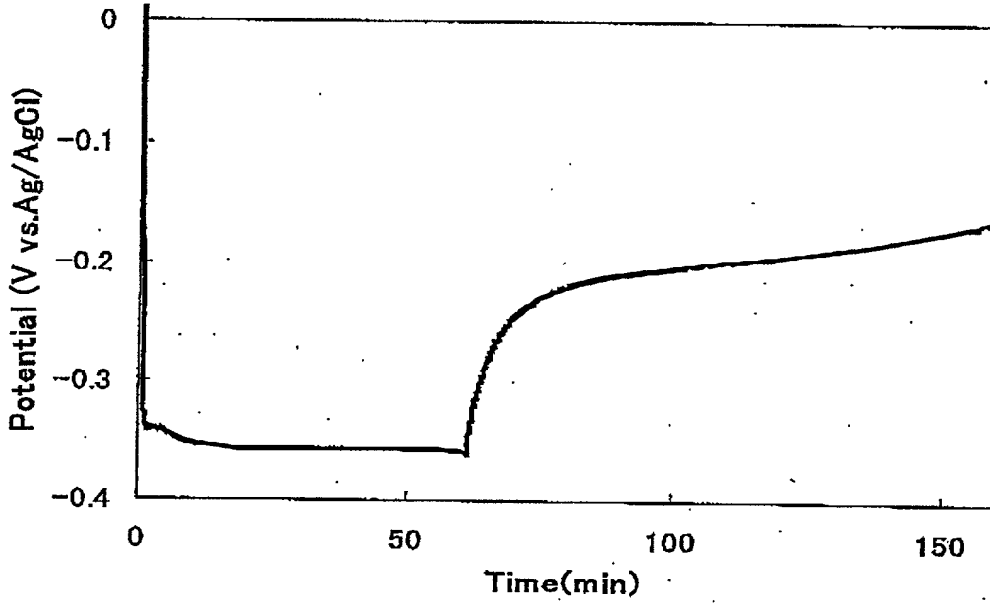
Docket No. 4468-022

【Fig.22】



4468-022-2626660

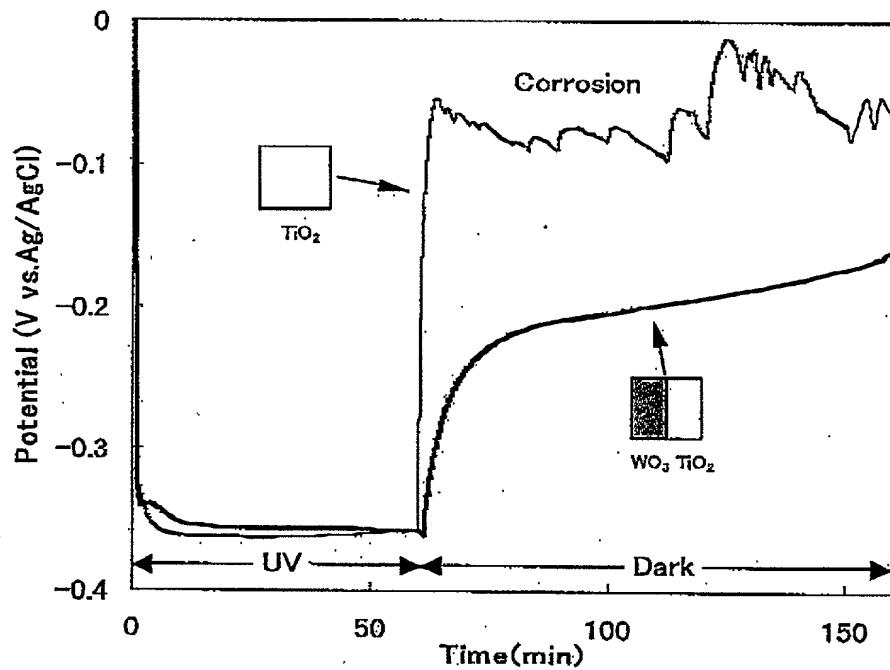
【Fig.23】



Potential change of a sample (TiO₂ is applied on one half of a substrate of SUS304 and WO₃ is applied on the other half)

2025022626660

[Fig.24]



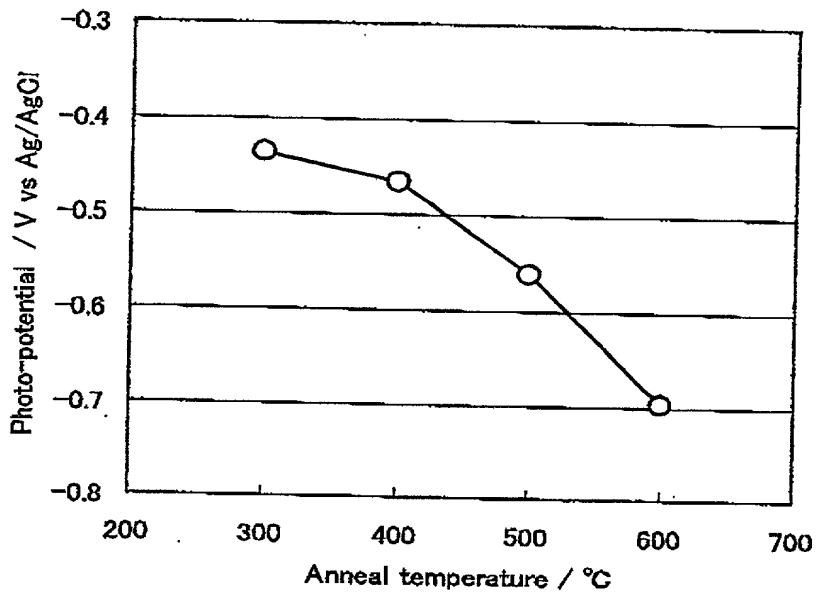
4468-022

TITLE: PHOTOREACTIVE DEVICES, TRANSLUCENT MEMBERS, ORNAMENTS, ANTICORROSIVE DEVICES, DEVICES FOR REDUCING OXYGEN AND DEVICES FOR CONTROLLING GROWTH OF MICROORGANISMS

Inventor: Akira FUJISHIMA et al.

Docket No. 4468-022

[Fig.25]



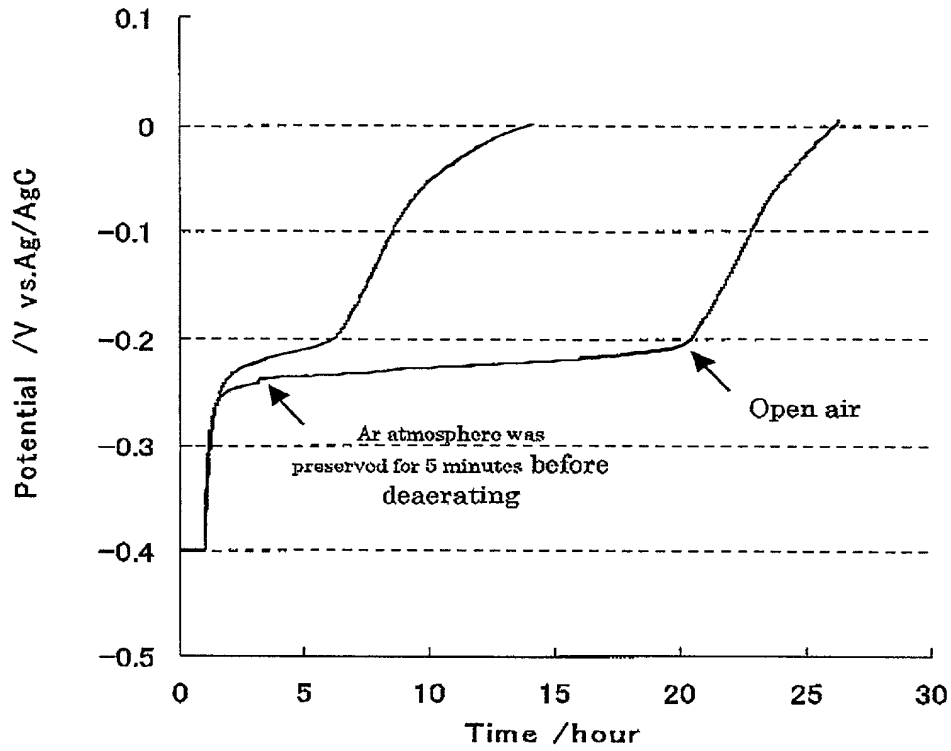
FOR "2526660"

TITLE: PHOTOREACTIVE DEVICES, TRANSLUCENT MEMBERS, ORNAMENTS, ANTICORROSIVE DEVICES, DEVICES FOR REDUCING OXYGEN AND DEVICES FOR CONTROLLING GROWTH OF MICROORGANISMS

Inventor: Akira FUJISHIMA et al.

Docket No. 4468-022

【Fig.26】



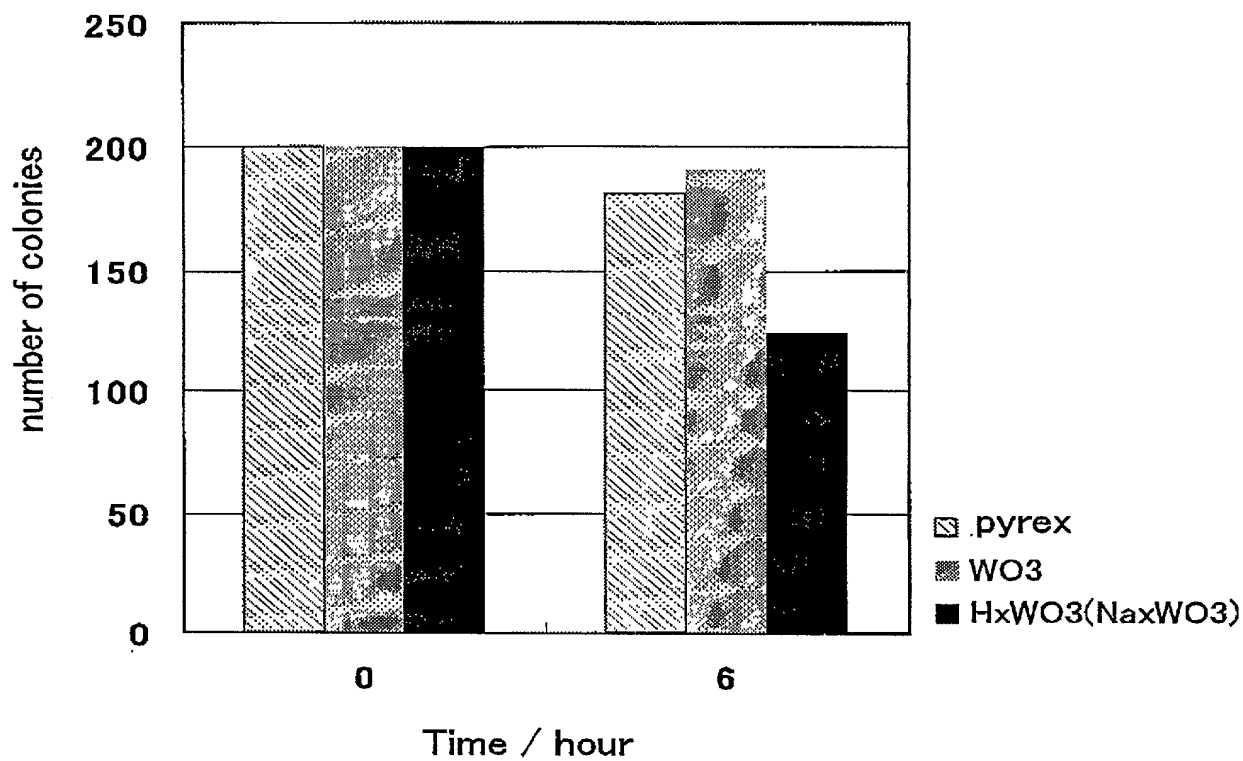
Pub. No. 2002-06660

TITLE: PHOTOREACTIVE DEVICES, TRANSLUCENT MEMBERS, ORNAMENTS, ANTICORROSIVE DEVICES, DEVICES FOR REDUCING OXYGEN AND DEVICES FOR CONTROLLING GROWTH OF MICROORGANISMS

Inventor: Akira FUJISHIMA et al.

Docket No. 4468-022

【Fig.27】



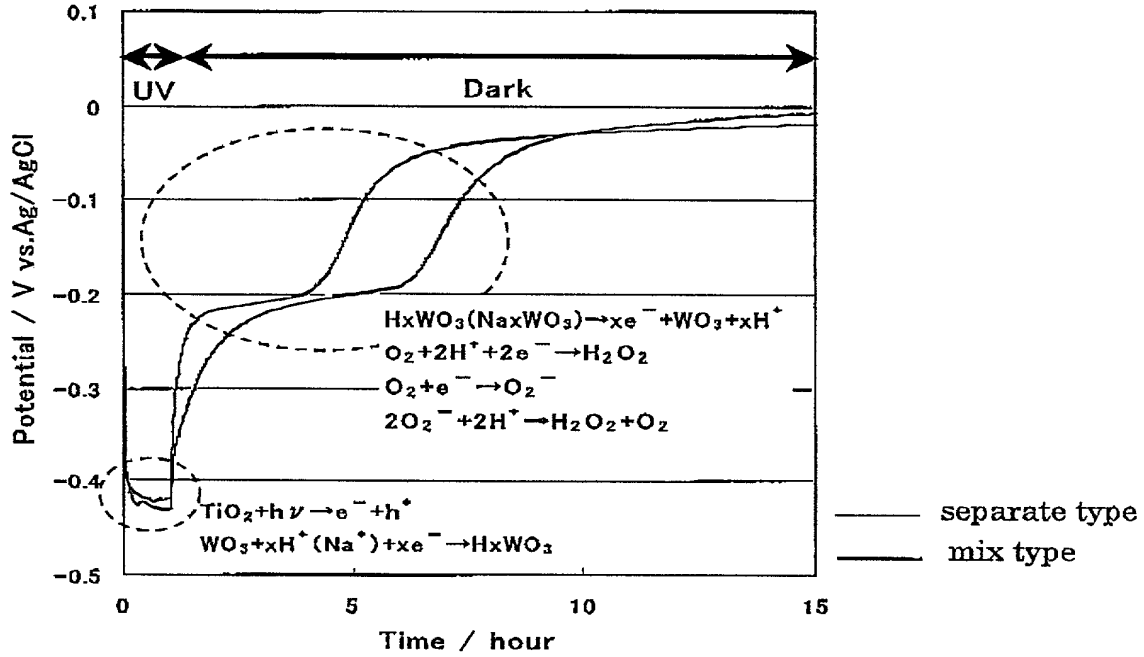
Pub. No. 2626660

TITLE: PHOTOREACTIVE DEVICES, TRANSLUCENT MEMBERS, ORNAMENTS, ANTICORROSIVE DEVICES, DEVICES FOR REDUCING OXYGEN AND DEVICES FOR CONTROLLING GROWTH OF MICROORGANISMS

[Fig.28]

Inventor: Akira FUJISHIMA et al.

Docket No. 4468-022



T03230 2646660

【Fig.29】

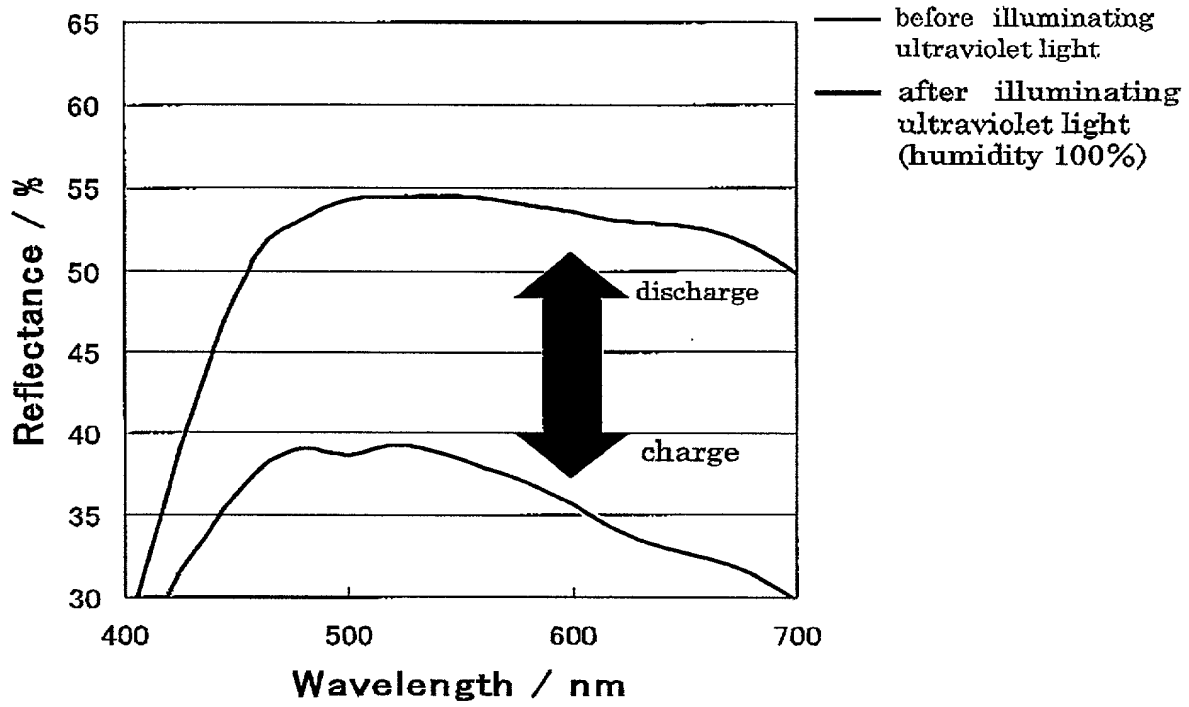
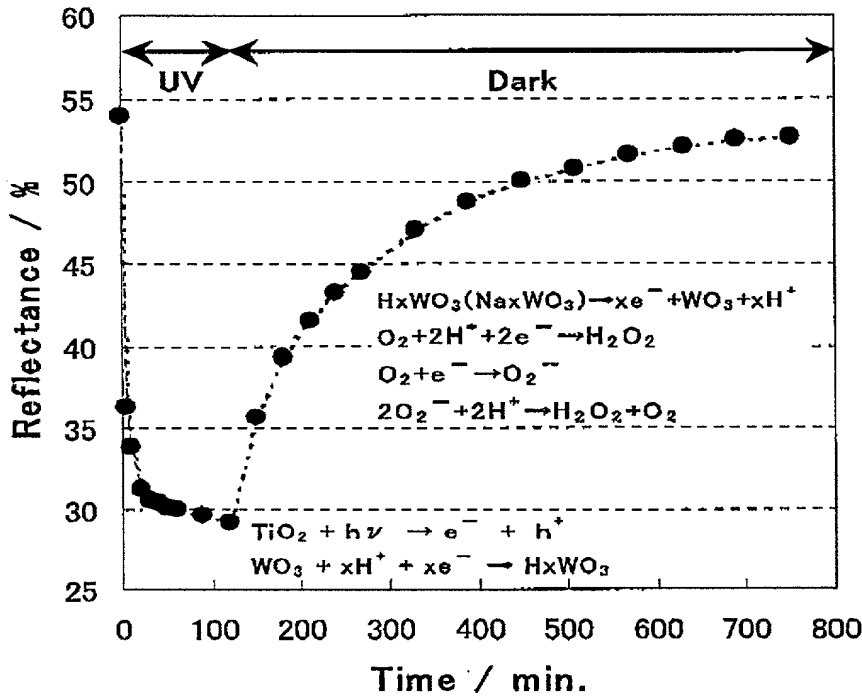


FIG. 29

[Fig.30]



T03280' 2526660

【Fig.31】

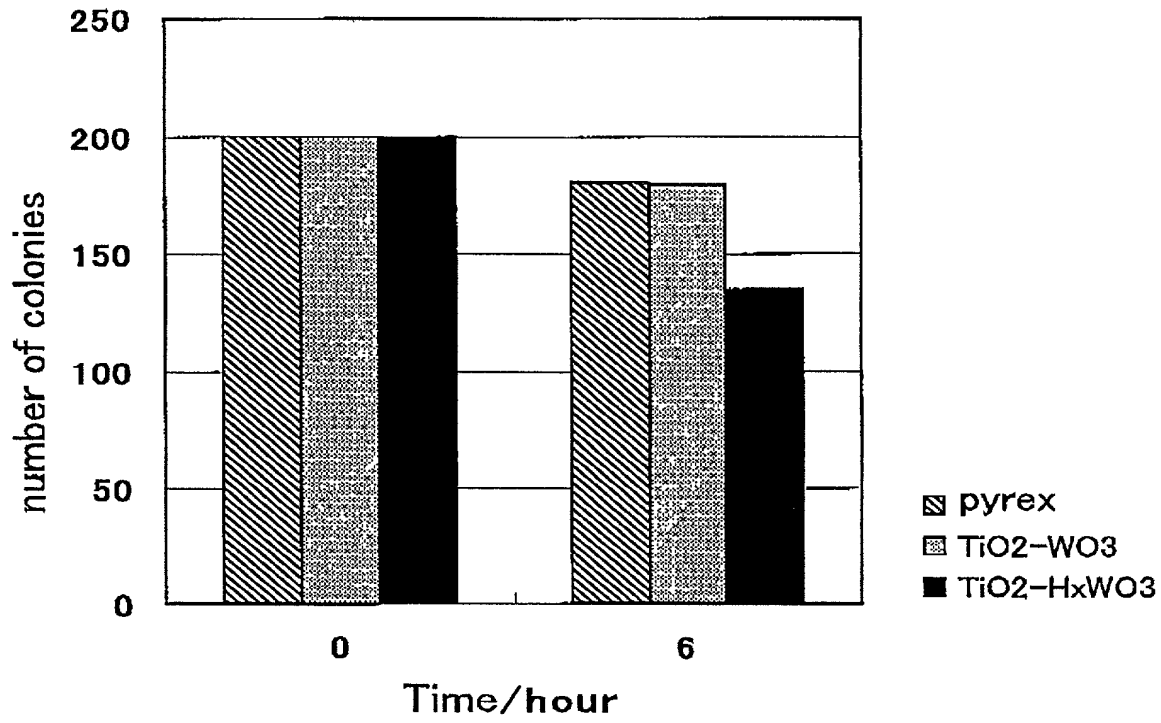


FIG. 31